

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P888148

Luminaire Tested: **DPT5-6FO36-37S27-A-XX-UDD**

Issue Date: 10/24/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P888148  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DEFINE LENGTH SCALING TOOL)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 10/24/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: DPT5-6FO36-37S27-A-XX-UDD  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

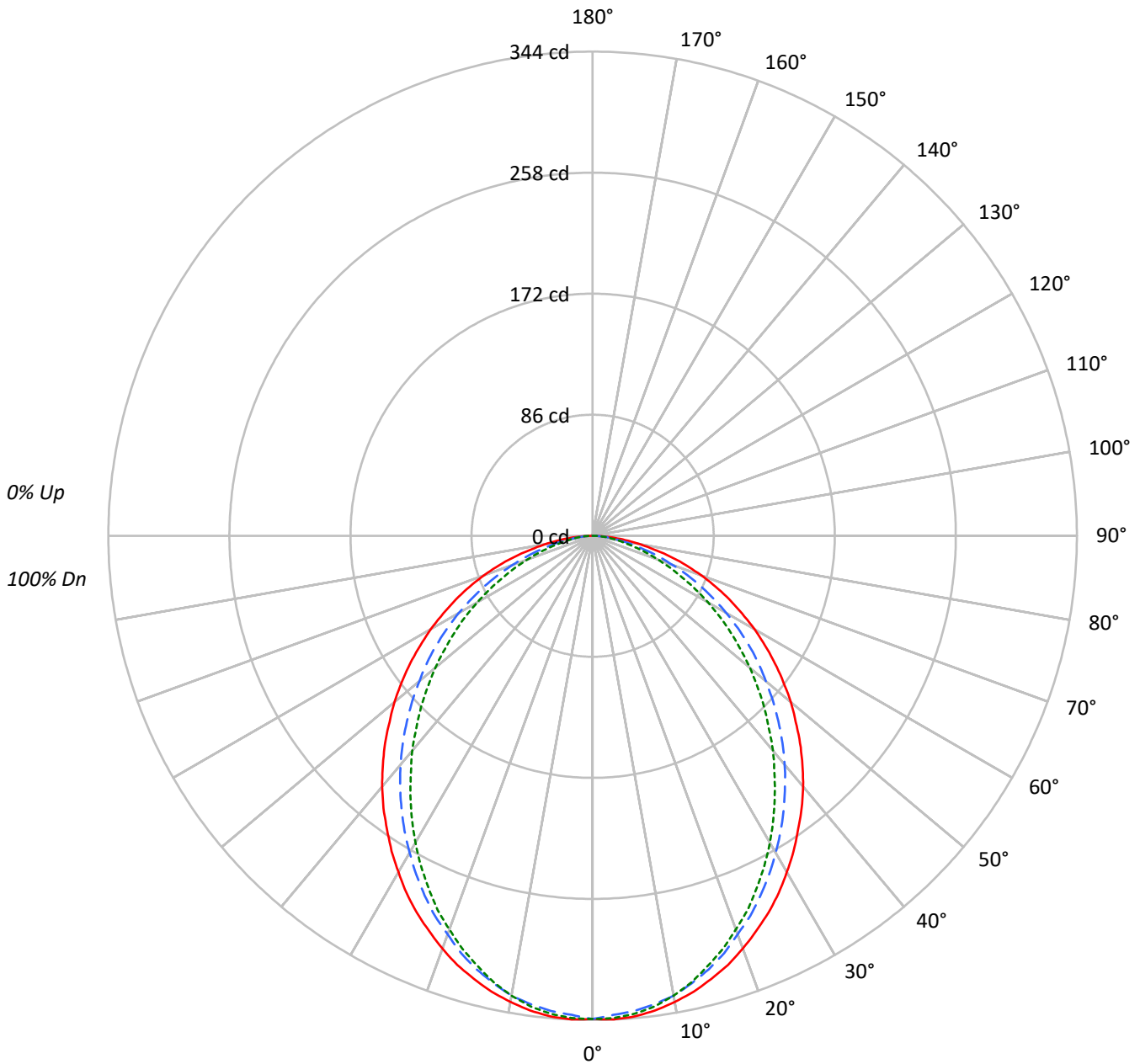
Lumens per Lamp: N/A  
Luminaire Lumens: 811.0 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61																			
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36																			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29																			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3265	3265	3265
5°	3273	3235	3255
10°	3248	3204	3204
15°	3209	3139	3114
20°	3159	3048	3012
25°	3101	2960	2895
30°	3030	2855	2765
35°	2956	2748	2619
40°	2888	2636	2476
45°	2803	2510	2319
50°	2719	2375	2156
55°	2623	2245	1983
60°	2524	2085	1796
65°	2410	1902	1580
70°	2277	1671	1363
75°	2095	1411	1135
80°	1846	1106	953
85°	1550	906	851



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.3	4.0
10°-20°	90.3	11.1
20°-30°	130.9	16.1
30°-40°	149.1	18.4
40°-50°	145.4	17.9
50°-60°	122.3	15.1
60°-70°	85.7	10.6
70°-80°	43.9	5.4
80°-90°	11.0	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	253.5	31.3
0°-40°	402.6	49.6
0°-60°	670.3	82.7
0°-90°	811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	343	343	343	343	343	
5°	343	342	339	341	341	33
15°	326	324	319	319	316	92
25°	296	292	282	279	276	136
35°	255	248	237	229	226	159
45°	208	201	187	176	172	161
55°	158	150	135	124	120	141
65°	107	98	84	74	70	106
75°	57	49	38	33	31	60
85°	14	10	8	8	8	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	343.3	343.3	343.3	343.3	343.3
2.5°	344.0	343.3	340.7	343.3	343.0
5°	342.8	341.7	338.9	341.4	340.9
7.5°	340.2	339.1	335.7	337.8	337.3
10°	336.3	335.5	331.8	332.7	331.8
12.5°	331.8	330.8	325.6	326.1	324.9
15°	325.9	324.3	318.8	318.6	316.3
17.5°	319.7	317.4	310.8	309.6	307.7
20°	312.1	309.6	301.2	299.9	297.6
22.5°	303.8	301.2	292.5	289.6	287.7
25°	295.5	291.6	282.1	278.7	275.9
27.5°	286.2	281.5	271.4	267.1	264.2
30°	275.9	270.9	260.0	254.1	251.8
32.5°	265.7	259.8	248.6	241.9	238.8
35°	254.6	248.4	236.7	229.2	225.6
37.5°	244.0	236.4	224.5	215.7	212.0
40°	232.6	224.8	212.3	202.5	199.4
42.5°	220.6	212.6	199.6	190.3	185.3
45°	208.4	201.0	186.6	176.3	172.4
47.5°	195.7	188.0	173.7	163.1	158.7
50°	183.8	175.2	160.5	149.6	145.7
52.5°	170.8	162.1	148.3	136.3	132.4
55°	158.2	149.9	135.4	123.7	119.6
57.5°	145.2	136.3	122.4	110.9	107.3
60°	132.7	123.7	109.6	98.3	94.4
62.5°	119.6	110.9	96.7	86.3	82.4
65°	107.1	98.3	84.5	74.1	70.2
67.5°	94.6	85.8	72.6	62.8	59.7
70°	81.9	73.1	60.1	52.1	49.0
72.5°	69.5	60.9	49.0	41.7	40.0
75°	57.0	49.2	38.4	32.7	30.9
77.5°	44.3	38.1	29.0	24.7	23.1
80°	33.7	27.5	20.2	17.9	17.4
82.5°	23.3	17.9	13.5	12.6	12.5
85°	14.2	9.6	8.3	8.0	7.8
87.5°	6.0	4.1	3.9	3.9	3.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)